

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 0
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 0

In response to a data transfer request (401), the transfer controller queries the destination port to determine if it can receive data of a predetermined size (402). If the destination port is not capable of receiving data, the transfer controller waits until said destination port is capable of receiving data (412). If the destination port is capable of receiving data, the destination port allocates a write reservation station to the data (403). Then the transfer controller reads data of the predetermined size from the source port (404) and transfers this read data to the destination port (405). The destination port forwards this data to an attached application unit, which may be memory or a peripheral, and then disallocates the write reservation station freeing space for further data transfer (406). This write driven process permits the transfer controller hub to service other data transfers from a fast source without being blocked by a slow destination.